



## Combined Declaration and Power of Attorney for Patent Application

Docket Number: 02578.0008.NPUS01

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or the below named inventors are the original, first and joint inventors (if more than one name is listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Whole-Substrate Spectral Imaging System for CMP

the specification of which

is attached hereto  
OR  
 was filed on April 1, 2004 as United States Application Number 10/815,555;  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation in part application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or (f), or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Prior Foreign Application No.	Country	Foreign Filing Date (MM/DD/YYYY)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

60/459,876 April 1, 2003  
(Application No.) (Filing Date)

60/469,449 May 5, 2003  
(Application No.) (Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112.

Direct all correspondence to Customer Number:

Appl. No.10/815,555  
Docket No.02578.0008.NPUS01

(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
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(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
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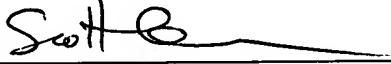
I hereby appoint the attorney(s) and/or agent(s) associated with the customer number shown below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Send Correspondence to:

**Customer Number: 22930  
HOWREY SIMON ARNOLD & WHITE, LLP**

Direct Telephone Calls to: Robert C. Laurenson, 949-759-5269

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Scott A. Chalmers	Date 9 Aug 04
Inventor's signature 	
Residence 5665 Soledad Mountain Road, La Jolla, CA 92037	
Citizenship United States	
Mailing Address 5665 Soledad Mountain Road, La Jolla, CA 92037	
Full name of second inventor Randall S. Geels	
Second inventor's signature 	Date 9 Aug 04
Residence 650 Singing Vista Drive, El Cajon, CA 92019	
Citizenship United States	
Mailing Address 650 Singing Vista Drive, El Cajon, CA 92019	

**SEE ATTACHED NOTARIAL  
CERTIFICATE**

Page 2 of 3 -

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of San Diego

} ss.

On August 9, 2004, before me, Barbara K. Farkas, Notary Public

Date personally appeared Scott A. Chalmers and Randall S. Geels

Name(s) of Signer(s)

personally known to me  
 proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Place Notary Seal Above

Signature of Notary Public

## OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of form to another document.

### Description of Attached Document

Title or Type of Document: Combined Declaration: Power of Attorney for Patent Application

Document Date: 8-9-04 Number of Pages: 3

Signer(s) Other Than Named Above: Thomas F.A. B.bly

### Capacity(ies) Claimed by Signer

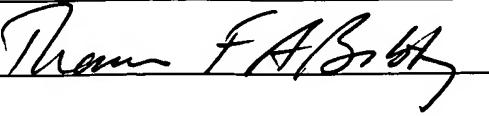
Signer(s) Name: \_\_\_\_\_  
 Individual  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Attorney in Fact  
 Trustee  
 Guardian or Conservator  
 Other: \_\_\_\_\_

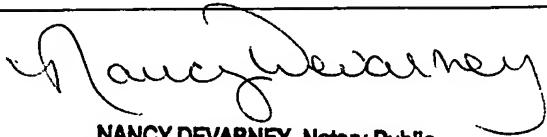
Signer is Representing: \_\_\_\_\_

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

Direct all correspondence to Customer Number:

Appl. No.10/815,555  
Docket No.02578.0008.NPUS01

Full name of third inventor Thomas F. A. Bibby	
Third inventor's signature 	Date 
Residence 275 French Hill Road, St. Albans, VT 05478	
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NANCY DEVARNEY, Notary Public  
My Commission Expires February 10, 2007